

CYPRIAN, Karel, inz.; CERNY, Vaclav, inz.; ZEMAN, Jiri, inz.

Flow measurement of aggressive gaseous substances by an ejector.
Automatizace 7 no.8:207-210 Ag '64.

1. Research Institute of Organic Syntheses, Pardubice - Rybitvi.

CZECHOSLOVAKIA

KASAL, A; CERNY, V.

Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Sciences, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 7, July 1966, pp 2159-2167

"On steroids. Part 10: Preparation of some 18-homo-
pregnen derivatives."

CERNY, VAC/AV

Cerný, Václav, Marek, Jindřich M., and Oblonský, Jan.
The Czechoslovak automatic computer SAPU. Stroje
pro Zpracování Informací 2, 11-92 (1954). (Czech.
Russian and English summaries)

1 - F/W

(4)

RAW
SAY

~~VACLAV, CERNY~~

CERNY, Vaclav

SR

Cerny, Vaclav. Codes of logical operations of the Czechoslovak automatic computer SAPO. Stroje na Zpracování Informací 2, 93-97 (1954). (Czech. Russian and English summaries)

1 - F/R

llm

CERNY, V.

Checking circuits of the operational units of SAPO, a Czechoslovak automatic computer. p. 115. (STROJE NA ZPRACOVANI INFORMACI, Vol. 4, 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

CERNY, VACLAV

CZECHOSLOVAKIA/Laboratory Equipment - Instruments, Their Theory, H.
Construction and Application.

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 19773

Author : Vaclav Cerny, Jan Oblonsky.

Title : Machine for Computing Crystalline Structures.

Orig Pub : Stroje zpracov. inform., 1955, No 3, 31-47

Abstract : The numerical calculating machine for computing three-dimensional crystalline structures by the method "trial and error" is described. The machine has about 1100 relays. The introduction of data into the machine is carried out by means of a keyboard and perforated cards; the computation results are typed. The construction guarantees speeds near to the speeds of electronic calculating machines (40 processes per sec.). The computation method is described; the block scheme of the machine and a brief explanation of its work are given. Schemes of some relay chains used in the machine are given.

Card 1/1

- 7 -

CERNY VACIAV

Cerny, Václav; and Oblonsky, Jan. Machine for computation of crystal structures. ~~Stroje na Zpracování Informací~~ 3 (1955), 31-47 (1955). (Czech, Russian and English summaries)

A special-purpose digital computer with built-in

instructions has been constructed for the computation of crystal structure factors. The three-dimensional atomic co-ordinates are read in through a keyboard. The Miller indices and the atomic scattering factors are read in by Powers punched cards. The squares of the moduli of the calculated and observed structure factors (the latter being punched on the same cards as the Miller indices) are compared and a disagreement function

$$W = \sum_{i=1}^{M-1} |K_{i+1} - K_i|$$

is computed, where M is the total number of reflections and the ratios $K_i = F_i^2 / F_0^2$ refer to the i th reflection with Miller indices h_i, k_i, l_i . The input coordinates are varied by trial and error until a sufficiently low value of W is obtained.

The machine uses about 1100 relays and works with binary numbers, at the rate of 40 arithmetic operations per second. The results can be printed on the attached printer. A flowdiagram and diagrams of some of the relay

cc
1/2

Žemný, Václav, and Oblonský, Jan
circuits used for multiplication and sine-cosine generation are given. The machine works in the space-group $P1$ and has capacity for 60 atoms.

CC
7/2

V. Vand.

me

CERNY, V.

V. Cerny, Václav. Machine for testing the central memory ²⁶ of the Czechoslovak automatic computer SAPO. Stroj na Zpracování Informací 3 (1955), 77-88 (1956). Czech. Russian and English summaries

A machine for testing the central magnetic memory drum of the Czechoslovak automatic digital computer SAPO is described. It imitates the operation of the relay part of the computer, so that the drum can be tested before the entire computer is completed. Block diagrams are given and the operation is described.

V. Vana (University Park, Pa.)

Jw 1/1 Distr: 4Eld C7

3
1

S/271/63/000/001/033/047
D413/D308

AUTHORS: Černý, Václav, Marek, Jindřich, M. and Oblonský, Jan

TITLE: A Czech-produced automatic computer

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 1, 1963, 30, abstract 1B167 (Stroje na zpracov. inform., v. 2, 1954, 11-92 (Czech: summaries in Rus. and Eng.))

TEXT: The authors describe the SAPC relay-type automatic computer with a 5-address command system and magnetic drum memory (1024 32-digit words). The computer contains 7000 relays and 400 electron tubes, has 3 arithmetic units, and works on a binary system with floating binary and decimal points. The structure of the computer excludes the effect of random errors on the correctness of the result of computation. Descriptions are given of the command system, the memory, the control equipment, the input and output equipment and the arithmetic unit, with a survey of the basic operations. 4 references.

[Abstracter's note: Complete translation]

Card 1/1

L 45741-G6

ACC NR: AF6017901

(A)

SOURCE CODE: CZ/0078/65/000/012/0019/0019

INVENTOR: Cerny, Vacley (Engineer; Prague)

ORG: none

TITLE: [Counting register for automatic computer] CZ Pat. No. PV 4140-63.

SOURCE: Vynalez, no. 12, 1965, 19

TOPIC TAGS: computer, computer component, computer language, automatic computer programming

ABSTRACT: A counting register for an automatic computer is described which operates with words containing a two-address instruction. The distinguishing feature of the device is that to the input of the counter, which is designed for the representation of the address, is connected a binary counter for distinguishing the odd and even instructions.

SUB CODE: 09/ SUBM DATE: 17Jul63

Card 1/1

egh

CERNY, Vladimir, inz. CSc.

Influence of the vegetation period on the aboveground and root substances of intercrops grown as green manure. Rost výroba 10 no.8:811-816 JI '64

1. Central Research Institute of Plant Protection, Prague-Ruzyně.

CERNY, Vladimir, inz. CSc.

Effect of green manuring on the physical properties of soil.
Rost výroba, 11 no.2:139-150 F '65.

1. Department of Field Plant Ecology of the Central Research
Institute of Plant Production, Prague-Ruzyne 507. Submitted
May 26, 1964.

WINKLER, Alojz; CERNY, Vladimir

Triethylenemelanine in the treatment of lymphogranulomatoses and hemoblastoses. Cesk. onkol. 1 no.1:30-38 1955.

1. Onkologicky ustav, Bratislava, Dr. A. Winkler, Bratislava, Malinovskeho 43A, 24. Dr. V. Cerny, Bratislava, Holleho 3/V-21.

(TRIETHYLENE MELANINE, therapeutic use,
Hodgkin's dis. & hemopoietic neoplasms)

(HODGKIN'S DISEASE, therapy,
triethylene melanine)

(HEMOPOIETIC SYSTEM, neoplasms,
ther., triethylene melanine)

EXCERPTA MEDICA Sec 16 Vol. 5/10 Cancer Oct 57

CERNÝ, V.

3837. WINKLER A., ČERNÝ V., ŠÁNDOR L. and UJHÁZY V. Onkol. Forsch. Inst., Bratislava. Klinische Erfahrungen mit der Phosphoramid-Behandlung der Hämoblastosen *Clinical experience in the treatment of haemoblastosis with phosphoramide* Čsl. Onkol. 1956, 3/1 (87-90)

Thirteen cases of haemoblastosis were treated with phosphoramide. In none of them was an undesirable side-effect observed. The possibility of local application is pointed out. The effects of phosphoramide are discussed and compared with those of thio-phosphoramide, chloralkylamine and melamine.

Richter - Berlin

CERNY, Vladimir; WINKLER, Alojs; UJHAZY, Viliam; SANDOR, Ludovit

Preliminary experiences in the treatment of some forms of malignant tumours with sarkomycin. Cesk. onkol. 3 no.4: 344-347 1956.

1. Oncological Research Institute, Bratislava.

(ANTIBIOTICS, therapeutic use,

sarcomycin in cancer)

(NEOPLASMS, therapy,

sarcomycin)

CERNY, Vladimir

WINKLER, Alojs; CERNY, Vladimir; UJHAZY, Vilian

On the action of chloralkylamine on the calf thymus deoxyribonucleic acid. Neoplasma, Bratisl. 4 no.4:321-326 1957.

1. Authors' address: Dr. A. Winkler and co-workers, Bratislava, ul. Cs. armady 17. Oncological Research Institute, Bratislava.

(DESOXYRIBONUCLEIC ACID

eff. of chloralkylamine on viscosity of aqueous & saline solutions of desoxyribonucleic acid from calf thymus.)

(CHLORAMINES, eff.

chloralkylamine on viscosity of aqueous & saline solutions of desoxyribonucleic acid from calf thymus)

U.

CZECHOSLOVAKIA/General Problems of Pathology - Tumors.
Experimental Therapy.

Abs Jour : Ref Zhur - Biol., No 2, 1959, 8832

Author : Ujhazy, V., Winkler, A., Cerny, V., Sandor, L.

Inst : -

Title : Treatment of Chronic Leukemia with Myleran

Orig Pub : Bratisl. lekar listy, 1957, 2, No 10-11, 677-683

Abstract : The results of myleran treatment are reported in 16 patients with chronic myelogenous leukemia. In 14 patients a considerable improvement, prolonged remissions (5-16 months), drop in the leucocyte count to normal, disappearance of immature elements from the blood, increase in the quantity of hemoglobin and an essential reduction in the size of the spleen were observed. The general condition of the patients also improved; they gained in weight. Often, patients had been unsuccessfully exposed to X-ray therapy and treatment with the preparation TS-160 or P³²

Card 1/2

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EXCERPTA MEDICA Sec 16 Vol 7/9 Cancer Sept 59

*3766a. **Clinical experience with 6-azauracil** ČERNÝ V., ŠÁNDOR I., UJHÁZY V. and WINKLER A. Oncol. Res. Inst., Dept. of Exp. Ther., Bratislava *Neoplasma* 1959, 6/2 (175-178) Tables 1 Illus. 2

In 25 patients with tumours 6-azauracil was used either alone or in combination with chemotherapeutics or hormones. A temporary arrest in the progress of the disease was observed in 3 patients and also in 3 patients who also received chloralkylamine. Among the latter was a woman with carcinoma of the vulva and numerous pulmonary metastases, who responded to the treatment with a disappearance of the pulmonary metastases, which, however, recurred in 4 months. The drug has no toxic influence on haematopoiesis. In several patients psychical disturbances developed, however, such as restlessness, weeping, apathy and depression. These symptoms developed in the 2nd or 3rd week after the treatment had begun, and disappeared a few days after discontinuance of the administration of the drug.

Klein - Bratislava (XVI, 6)

WINKLER, A.; UJHAZY, V.; CERNY, V.; SANDOR, L.; KOSSEY, P.

Effect of the spleen on the inhibition and course of certain
experimental leukemias in rats treated with chloralkylamine.
Neoplasma, Bratisl. 7 no.1 suppl:144-146 '60.

1. Vyskumny ustav onkologicky, Bratislava.
(LEUKEMIA exper)
(ANTINEOPLASTIC AGENTS pharmacol)
(SPLEEN physiol)

WINKLER, A.; UJHAZY, V.; VITAVSKA, N.; CERNY, V.; SANDOR, L.

The role of albumin in the action of chloralkylamine. Neoplasma 8
no.4:357-362 '61.

1. Oncological Research Institute, Bratislava, Czechoslovakia.
(ALBUMINS pharmacol.)
(NITROGEN MUSTARDS pharmacology)

ZUCHA, J.; GRUNERT, V.; HUPKA, M.; WINKLER, A.; CERNY, V.; CIGANEK, L.

Isolated perfusion of the brain with cytostatic drugs in the treatment of malignant cerebral neoplasms. Cesk. neurol. 25 no.5:342-347 S '62.

1. Klinika detskej a mozgovej chirurgie Lekarskej fakulty UK v Bratislave, prednosta doc. dr. J. Zucha. Laboratorium experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, prednosta akademik K. Siska. Vyskumny ustav onkologicky v Bratislave, riaditel doc. dr. V. Thurzo.

(BRAIN NEOPLASMS) (ANTINEOPLASTIC AGENTS)
(PERFUSION)

CERNY, V.; MALEK, B.; NAUS, A.; ZAJIC, B.

Possible differences in dust caused by grinding defatted and unaltered soy beans. Prac. lek 14 no.7:339-341 S '62.

1. Katedra hygieny prace lekarske fakulty hygienicke University Karlovy v Praze, vedouci doc. dr. V. Benes Oddeleni prevence chorob z povolani lekarske fakulty hygienicke KU v Praze, vedouci MUDr. A. Naus Vyskumne pracoviste n.p. Ceske cokoladovny v Praze Oddeleni hygieny prace HES UNZ NV hl. m. Prahy, vedouci MUDr. A. Grunvald.

(DUST) (SOY BEANS) (OCCUPATIONAL DISEASES)
(CONJUNCTIVITIES) (RESPIRATORY DISEASES) (OCCUPATIONAL DERMATITIS)
(LIPIDS)

SANDOR, L.; UJHAZY, V.; CERNY, V.; WINKLER, A.; SUTKOVA-UHRINOVA, M.

Effect of large doses of prednisone on the clinical course of advanced forms of Hodgkin's disease. Bratisl. Lek. Listy 42 no.8: 454-457 '621

1. Z Vyskumneho ustavu onkologickeho v Bratislave, riaditel clen koresp. SAV doc. MUDr. V. Thurso.

(PREDNISONE) (HODGKIN'S DISEASE)

CERNY, V.; WINKLER, A.

Selection of cytostatics in perfusion chemotherapy of brain neoplasms. Bratisl. lek. listy 44 no.1:43-45 '64.

1. Vyskumny ustav onkologicky v Bratislave; (riaditel: doc. dr. V. Thurzo, clen, koresp. SAV.) oddelenie exper. terapie (vedouci: MUDr. RNDr. A. Winkler, C.Sc.)

*

NOVAK, J.; CERNY, V.

Effect of the impulse electromagnetic field on the human body.
Cas. lek. cesk. 102 no.18:496-497 3 My '63.

1. I.dermato-venerologicka klinika lekarske fakulty KU v
Praze, prednosta prof. dr. J. Konopik. Geofyzikalni ustav
CSAV v Praze, heliogeofyzikalni oddeleni, vedouci RNDr.
B. Bednarova.

(ELECTROPHYSIOLOGY)

CERNY, V.

CERNY, V.; ROSICKY, B.

Small central European mammals as hosts of the tick (*Ixodes ricinus* L.)
p. 37 (Zoologické a Entomologické Listy. Praha. Vol. 3, no. 1, Mar. 1954)

SC: Monthly List of ^{East} European Accession (SEAL), LC, Vol. 4, No. 6,
June 1955, Uncl.

CERNY, Vladimir

An interesting find of a dwarf female of *Ixodes ricinus* L. Biologia
15 no.2:71-73 '60. (KEAI 9:5)

1. Biologicky ustav Ceskoslovenske akademie ved, Oddeleni parasito-
logie, Praha.

(SLOVAKIA--~~IXODES~~ RICINUS)

CERNY, Vladimir

CZECHOSLOVAKIA/Zooparasitology. Ticks and Insects as Disease Vectors. Mites. G

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77032.

Author : Mncicka, O.; Rosicky, D.; Cerny, V.

Inst :

Title : Materials on the Ecology, Development and Spread of *Dermacentor marginatus* in Central Europe and Its Medical-Veterinary Significance.

Orig Pub: Prace II., sek Slov. akad. vied., Ser. biol., 1955, 1, No 1, 43 s.

Abstract: The ecology and developmental cycle in Central Europe of the tick *D. marginatus* is described for the first time. In southern and eastern Slovakia, it is most profuse in cleared local habitations. Cited are lists of farms, indications of the seasonal

Card : 1/2

CERNY, Vladimir (Praha-Dejvice, Na cvicisti 2.)

The key for the determination of larvae and nymphs of ticks on small mammals. Cesk. epidem. mikrob. imun. 7 no.2:136-138 Mar 58.

1. Parasitologické oddelení Biologického ústavu CSAV, reditel akad.
I. Malek.

(TICKS,
larvae & nymphs on small animals, determ. (Cz))

CERNY, V

"Theileria in European deer in the Topolcianky area."

BIOLOGIA, Bratislava, Czechoslovakia, Vol. 13, no. 7, 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59
Unclas

CERNY, Vladimir; HODINAROVA, Dagmar; KALINOVSKA, Milada

Experimental extermination of the tick *Ixodes ricinus* L. in nature with hexachlorocyclohexane. Cesk. epidem. mikrob. imun. 8 no.1:61-62 Jan 59.

1. Biologicky ustav CSAV v Praze. V. C., Praha 6, Na cvicisti 2.

(TICKS

exper. extermination of *Ixodes ricinus* with benzene hexachloride (Cz))

(~~BENZENE~~ HEXACHLORIDE

in exper. extermination of *Ixodes ricinus* (Cz))

CERNY, V., AND OTHERS.

Small mammals of the Riesengebirge and their parasites. p. 125.

SBORNIK. RADA B: PRIRODNI VEDY. ACTA. SERIES B: HISTORIA NATURALIS. Praha,
Czechoslovakia. Vol. 15, no. 3/4, 1959.

MONTHLY List of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

HAVLIK, O.; CERNY, V.; ROSICKY, B.

Probability of an outbreak of tick-borne meningoencephalitis in
1960. Cesk. epidem. mikrob. imun. 9 no. 4:217-222 Je '60.

1. Ustav epidemiologie a mikrobiologie v Praze, Biologicky ustav
CSAV v Praze.

(ENCEPHALITIS EPIDEMIC epidemiol.)

CERNY, Vladimir

Ixodes laguri slovacicus n.ssp., a new tick subspecies from the territory of Czechoslovakia. Cas entom 57 no.2:178-184 '60.

(EEAI 10:1)

1. Parasitologische Abteilung des Biologischen Institutes der Tschechoslowakischen Akademie der Wissenschaften, Prague.
(Czechoslovakia--Ticks)

CERNY, Vladimir; KADLICK, Kvetoslav; VYCHODIL, Jan

Our experience with an acaricide dust in the eradication of ticks
Ixodes ricinus L. *Cesk.epidem.mikrob.imun.*10 no.1:62-68 Ja '61.

1. Biologicky ustav CSAV v Praze - Krajska hygienicko-epidemiolo-
gicka stanice v Ceskych Budejovicich.

(TICKS)

(INSECTICIDES)

CERNY, Vladimir, dr.

The role of wild animals as carrier of ticks on a pasture land of
Ondavska Vrchovina infested by ticks. Biologia 16 no.8:574-585 '61.

1. Biologicky ustav Ceskoslovenske akademie ved, Parasitologicke
oddeleni, Praha 6, Na cvicisti 2.

(TICKS)

CHERNY, V. [Cerny, V.]

Identifying the tick *Ixodes hexagonus* Leach by its larvae and nymphs. Zoo. zhur. 40 no. 2:184-188 F '61. (MIRA 14:2)

1. Biological Institute of the Academy of Sciences of
Czechoslovakia (Prague).
(Ticks) (Larvae—Insects)

CERNY, Vladimir, inz., CSc.

Effect of the different degree of humidity of sandy soils on the germination capacity of seeds of some plant varieties suitable for intermediate stubble. Rost vyroba 9 no. 12:1289-1296 D '63.

1. Ustredni vyzkumny ustav rostlinne vyroby, Ruzyně.

CERNY, V.

Problems of mineral fiber production. Stavivo 42 no. 3:
85 Mr '64.

1. Stavebni izolace National Enterprise, Vyrobní správa
Kolin.

CERNY, W.; STRASKRABA, M.

The terrestrial amphipod Talitrus (Talitroides) alluaudi Chevreux 1896 in Czechoslovakia. p. 52. (CASOPIS; ODDIL PRIRODOVEDNY, Vol. 126, No. 1, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

CERNY, V.

"Five years of the biological station in the national reservation of the Great and Small Tisy."

p.26 (Ochrana Prirody, Vol. 13, no. 2, Mar. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accession (MEAI) 15, Vol. 7, No. 6, 1958

CHERNY, Walter [Cerny, Walter]

Population dynamics of the tufted duck (*Aythya fuligula*) and
the pochard (*A. ferina*) in Czechoslovakia. Trudy Probl. i
tem. sov. no.9:233-240 '60. (MIRA 13:9)

1. Karlov universitet, Praga.
(Czechoslovakia--Ducks)

CZECHOSLOVAKIA

CERNY, Z., MD.

Surgical Ward OUNZ of the Pribami Hospital (Chirurgick e
oddeleni OUNZ nemocnice v Pribami), Pribrama

Prague, Prakticky lekar, No 7, 1963, pp 263-267

"Most Frequent Accidents in Mining and Their Prevention."

Z/006/60/000/041/001/006
E073/E535

AUTHOR: Černý, Zdeněk

TITLE: Advantages that make them Popular: Grinding Machines,
Produced by the Hostivař Plant of TOS Exhibited at the
Second International Fair at Brno

PERIODICAL: Technické noviny, 1960, No.41, p.3

TEXT: The foremost machine was the automatic grinding machine BDA 63, which was awarded a gold medal at the World Fair in Brussels. It is intended for mass grinding of cylindrical holes of medium and large diameters using an automatic cycle of operations. The automatic cycle is controlled by a cam, also called Size-Matic coordinate cycle. It can also be controlled by a two-contact control metering device or, in the case of smaller through holes, by a "Gage-matic" gauge. Automatic control can be applied for using any of the mentioned possibilities. The full working cycle has eleven functions. However, individual functions can be omitted if necessary. The spindle speed can be varied between 28 and 458 r.p.m. Holes of up to 400mm diameter can be ground with a maximum depth of 315 mm. The control elements are concentrated on the front side of the machine.

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Z/006/60/000/041/001/006
EO73/E535

Advantages that make them Popular: Grinding Machines Produced by the Hostivař Plant of TOS Exhibited at the Second International Fair at Brno

The universal grinding machine 2 UC was supplemented by a super-finishing attachment IDSV 3. This machine is now suitable for circular longitudinal and plunge grinding. The universal grinding machine BUJ 16 is a substitute for the hitherto used grinders 1U and 2 UC. It is designed for small batch production. Its outstanding feature is accuracy and productivity in circular grinding both in longitudinal and plunge grinding. It is fitted with an attachment for internal grinding. Further production is likely on two types being developed, one with hydraulic automatic control and another with electric control. The universal grinder BU 25 and grinders BUA 20 and BUA 31 with an automatic cycle are intended for series and small batch production. The BUA grinders are suitable for series production with an hydraulic operating cycle; after setting up, manipulation by the operative is restricted to: removal of the finished component, chucking the blanks and starting the machine. The working cycle can also be controlled by a follow-up sensor. The feed and cross

Card 2/3

Z/006/60/000/041/001/006
E073/E535

Advantages that make them Popular: Grinding Machines Produced by the Hostivař Plant of TOS Exhibited at the Second International Fair at Brno

feed is by means of hydraulic drive. The machines have a very high geometrical accuracy and, therefore, a very high grinding accuracy is achieved. The single lever operation reduces idle times. The universal tool grinder BN 102 has proved successful both in Czechoslovakia and abroad for grinding a great variety of standard and special tools.

The twist drill grinder BNV 80 is a new machine. It is intended for grinding two-cutting clockwise twist drills of 10 to 80 mm diameter (using grinding wheels of 260 mm diameter) in a single cycle. An additional transmission box is a new feature, enabling grinding of 3- and 4-cutting edge drills with a single chucking. The point angle can be varied between 80 and 160°. There are 4 figures.

Card 3/3

WURM, Boleslav; CERNY, Zdenek, inz.; NOSEK, Bohuslav; FOLDINA, Josef;
STURMA, Jan; ELIASEK, Jaroslav

Socialist pledge of organizers. Podnik organizace 17 no.2:54-56 F '63.

1. Ministerstvo vseobecneho strojirenstvi, organizacni stredisko 02 (for Wurm, Cerny and Nosek).
2. Tatra, n.p., Koprivnice (for Foldina).
3. Metalis, n.p., Nejdek (for Sturma).
4. Ceske zavody motocyklove, Strakonice (for Eliasek).

L 07166-67 EWP(k)/EWT(1)

ACC NR: AP6029334

SOURCE CODE: PO/0047/66/017/003/0239/0246

35
13

AUTHOR: Cerowski, Zenon; Sikora, Bogdan

ORG: Physics Department B, Silesian Polytechnic School, Gliwice (Katedra Fizyki B Politechniki Slaskiej w Gliwicach); Institute of Iron Metallurgy, Gliwice (Instytut Metalurgii Zelaza w Gliwicach)

TITLE: Studies of ultrasonic waveforms in liquids by optical methods

SOURCE: Postępy fizyki, v. 17, no. 3, 1966, 239-246

TOPIC TAGS: ultrasonic wave, optical method, light diffraction

ABSTRACT: The paper reviews methods for determining the ultrasonic fields in liquids by studying the diffraction of light by ultrasonic structures. The methods of determining the waveform which are reviewed are: (1) that of L. G. Mikhailov and V. A. Shutilov (who also proposed a method of measuring the intensity of an ultrasonic beam from the light distribution in the diffraction pattern); (2) a method consisting in determining the harmonic content; (3) determination of the spectral composition by the method of L. Zankel and E. A. Hiedemann; (4) the method of B. D. Cook. All the methods discussed presuppose the phase modulation of light by an ultrasonic grating, and therefore apply to narrow ultrasonic beams. Orig. art. has: 5 figures and 17 formulas.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 005

Card 1/1 MLE

9.2184

21080

Y/001/60/000/002/001/002

D241/D303

AUTHOR: Cerovac, Branko, Engineer, Senior Scientific Worker
(Belgrade)

TITLE: Piezoelectric crystals

PERIODICAL: Tehnika, no. 2, 1960, 289-295

TEXT: The article which was presented at the First Yugoslav Conference on the Component Parts of Electronic Devices, held in Ljubljana in October 1959, describes the properties and application of piezoelectric crystals and gives details on the development and present situation of the piezoelectric industry in Yugoslavia. Although piezoelectric crystals -- the present world production of which amounts to 5,000,000 -- are used widely in practically every branch of industry, their use in military telecommunications is of particular significance. Yugoslavia contributes actively to the work of the 40-3 sub-committee for piezoelectric crystals of the IEC=International Electrotechnical Commission, on the standardization of piezoelectric

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Y/001/60/000/002/001/002

D241/D303

Piezoelectric crystals

crystals, particularly of piezoelectric crystal units. Yugoslavia has built up her production of piezoelectric crystals and of devices equipped with this material. Despite considerable development in the production of crystals from Rochelle salt, tourmaline, ADP, EDT and barium titanate, quartz crystals still remain first on the list of crystals suited for electrical purposes. Since quartz crystals have to be free from impurities and defects, an international classification has been set up grouping the crystals according to weight, permissible defects, useful volume and faces. The anticipated Yugoslav requirements for raw quartz crystals are given in Table 1.

Tabl. 1

① Vreme (god)	② Količina u (kg)	③ Vrednost u 1000 (din)
1959	500	6 000
1960—1961	3 000	36 000
1962—1966	16 000	192 000
④ Svega:	19 500	234 000

Table 1. Legend: (1) Time (years). (2) Quantity in (kg). (3) Value in 1,000 dinars. (4) Total.

cene dvostruko veće u odnosu na cene za kristale od 200—300 gr.

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Piezoelectric crystals

The figures are based on present domestic production figures and on the anticipated demand by domestic consumers. Emergency reserves and export figures are not taken into consideration. The price is based on the world market price at the exchange rate of 1 US dollar = 632 dinars for first quality crystals weighing 200-300 g and having a useful volume of over 60%. The price of 1 kg of first quality crystals weighing 120-200 g which is below the international standard and which are used by the MP = "Mihailo Pupin" Institute in Belgrade for producing 800 kcs to 75 mcs units is 3 times less than that given in the table. Yugoslavia is fortunate in having its own quartz crystal deposits as cited by B. Cerovac (Ref. 2: Kristali kvarca u telekomunikacijama, tehnici UZ i elektronici (Quartz crystals and Telecommunications, VHF and Electronic Equipment) Industrijska elektronika, Beograd 1955, izdanje DIT-a) and (Ref. 3: B. Cerovac: Novi piezo-električni i piezomagnetni materijali za UZ pretvarače, (New Piezo-electric and Piezomagnetic Materials for VHF Utilization) Ultrazvuk u

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tehnici i industriji, Beograd 1957, str. 41-53, izdanje DIT-a). Milan Ristić, geologist of the Savezni geološki zavod (Federal Geological Institute) in Belgrade carried out prospecting and research on 30 deposits in 1954. Tests on the suitability of domestic crystals for oscillators in radio engineering carried out at the "Mihailo Pupin" Institute, formerly the "Nikola Tesla", in 1954 and 1955, gave good results. Further tests of this Institute carried out in 1957 and 1958 on domestic crystals supplied by the Geološki zavod (Geological Institute) in Sarajevo and by other local enterprises, proved the existence of good-quality quartz crystals. Since Yugoslavia has the raw material for the production of Rochelle salt, the RIZ (=Radioindustrija Zagreb (Radio-Industry Zagreb)) has been producing Rochelle salt crystals since 1951. This plant is also the only domestic enterprise producing crystals for loudspeakers and microphones. The first Yugoslav crystal units were produced at the "Mihailo Pupin" Institute and at the physical laboratory of the IEV (=Industrija za elektrovezu (Electrical Industry)) in Ljubljana in 1955. Simultaneously, both plants started the construction of laboratories for the production of

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crystal units. The first samples of the experimental series were obtained in 1957. When in 1958, the O-series of domestically produced crystal units were tested, it was evident that the technological process for producing crystal units in a metal housing for a frequency range from 3,000 to 10,000 kcs had been successfully mastered. With the production of an experimental series of 2,000 crystals in February 1959, the piezoelectric crystal laboratory of the "Mihailo Pupin" Institute went into standard serial production, while the IEV experimental series production is still in progress. Each of the two laboratories can reach a monthly output of 1,000 crystal units of a given frequency range, but the quartz crystals needed for the production of these units have still to be imported. Table 2 shows the types of crystal units produced in Yugoslavia and Table 3, the type of units whose production is anticipated to start soon. Table 4 shows the domestic demand anticipated for 1960/61 and 1962-66. X

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Piezoelectric crystals

Tabl. 2

Montaža	Frekventni opseg	Temperaturne tolerancije	Temperaturni opseg	Proizvođač
U metalnim kući- cama tipa 01 prema IEC odn. HC-6/U pre-MIL-u.	800-20 000 kHz (osnovne)	$\pm 200 \cdot 10^{-6}$	+ 15 do + 45°C	IMP, IEV
		$\pm 100 \cdot 10^{-6}$	0 do + 60°C	
		$\pm 50 \cdot 10^{-6}$	- 20 do + 70°C	
			- 40 do + 70°C	
			- 55 do + 90°C	
		$\pm 25 \cdot 10^{-6}$	+ 15 do + 45°C	IMP
			0 do + 60°C	
	10-75 MHz (harmonične)	$\pm 200 \cdot 10^{-6}$	+ 15 do + 45°C	IMP
		$\pm 100 \cdot 10^{-6}$	0 do + 60°C	
		$\pm 50 \cdot 10^{-6}$	- 20 do + 70°C	
			- 40 do + 70°C	
			- 55 do + 90°C	
		$\pm 25 \cdot 10^{-6}$	+ 15 do + 45°C	IMP
			0 do + 60°C	

Table 2. Legend: (1) Mounting. (2) Frequency range. (3) Temperature tolerances [Abstracter's note: should presumably read "frequency tolerances"] (4) Temperature range. (5) Producer. (6) In metal housing, type 01 according to IEC, or HC-6/U pre-MIL. (7) kcs (basic). (8) Mcs (harmonic).
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Tabl. 3

(1) Montaža	(2) Frekventni opseg	(3) Frekventne tolerancije	(4) Temperaturni opseg	(5) Proizvođač	(6) Rok završetka radova
(7) Metalne kućice	(8) 50—800 kHz	$\pm 200 \cdot 10^{-4}$ $\pm 100 \cdot 10^{-4}$ $\pm 50 \cdot 10^{-4}$	$+ 15$ do $+ 45^{\circ}\text{C}$ 0 do $+ 60^{\circ}\text{C}$ $- 20$ do $+ 70^{\circ}\text{C}$ $- 40$ do $+ 70^{\circ}\text{C}$ $- 55$ do $+ 90^{\circ}\text{C}$	IMP	31.12.1959

Table 3. Legend: (1) Mounting. (2) Frequency range. (3) Frequency tolerances. (4) Temperature range. (5) Producer. (6) Completion date. (7) Metal housing. (8) kcs.

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Piezoelectric crystals

Tabl. 4

Tip krist. jedinici	Frekven- tni opseg	1960-61 g. (kom)	1962-66 g. (kom)	Vrednost u 1 000 000 din.	Primerbe
(7) U metal- nim kući- cama	(8) niske i srednje	18 000	65 000	799	
	(9) visoke i harmonič- ne	71 000	310 000	1 364	
(10) U stakle- nim balo- nima u vakuumu	ceo	500	2 000	19	
(11) U termo- statu	ceo	2 500	9 000	288	
(12) SVEGA:		92 000	486 000	2 470	

of units. The perspective plan does not cater for export which in view of the small number of world producers and large world consumption should be considered. Card 8/12

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Table 4. Legend: (1) Type of crystal unit. (2) Frequency range. (3) year (pieces). (4) year (pieces). (5) value in 1,000,000 dinars. (6) Remarks. (7) In metal housing. (8) Low and medium. (9) High and harmonic. (10) In glass envelope in vacuum. (11) in thermostat. (12) Total.

The planned figure for crystal units in glass envelopes with vacuum is rather low, due to the fact that domestic consumers do not as yet produce equipment requiring this type

Piezoelectric crystals

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Table 5 shows the perspective plan of future anticipated crystal unit production in Yugoslavia.

Moniaža (1)	Frekventni opseg (2)	Frekventna tolerancija (3)	Temperaturni opseg (4)	Proizvođač (5)	Vreme (god) (6)
(9) Metalne kućice	(10) 0.2–50 kHz	$\pm 200 \cdot 10^{-6}$ $\pm 100 \cdot 10^{-6}$ $\pm 50 \cdot 10^{-6}$	+ 15 do + 45°C 0 do + 60°C – 20 do + 70°C	IMP	1960
	50–800 kHz			IEV	1962–1966
(14) Stakleni baloni	(15) 0.2–20 000 kHz (osnovne) (16) 10–150 MHz (harmonične)	$\pm 200 \cdot 10^{-6}$ $\pm 100 \cdot 10^{-6}$ $\pm 50 \cdot 10^{-6}$	+ 15 do + 45°C 0 do + 60°C – 20 do + 70°C	IMP	1960–1961
(17) U termostalima (sa metalnim kućicama i staklenim balonima) Sa bimetalima $\pm 1^\circ\text{C}$ i sa kontaktirnim termometrima $\pm 0,1^\circ\text{C}$.	0.2–20 000 kHz (osnovne) 10–150 kHz (harmonične)	$\pm 25 \cdot 10^{-6}$ $\pm 20 \cdot 10^{-6}$ $\pm 15 \cdot 10^{-6}$ $\pm 10 \cdot 10^{-6}$ $\pm 5 \cdot 10^{-6}$ $\pm 1 \cdot 10^{-6}$ $\pm 0,5 \cdot 10^{-6}$ $\pm 0,1 \cdot 10^{-6}$	(18) Za kontrolisani rad prema IEC standardima.	IMP	1961–1963
(19) Kristalne jedinice od EDT kristala	20–180 kHz			IMP	1962

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Piezoelectric crystals

Table 5. Legend: (1) Mounting. (2) Frequency range. (3) Frequency tolerance. (4) Temperature range. (5) Producer. (6) Time (years). (7) Required means. (8) Remarks. (9) Metal housing. (10) kcs. (11) to. (12) dinars. (13) See in Table 3. (14) Glass envelopes. (15) Basic. (16) Harmonic. (17) In thermostat (with metal housing and glass envelopes). With bimetals $\pm 1^{\circ}\text{C}$ and with contact thermometer $\pm 0.1^{\circ}\text{C}$. (18) For controlled work according to IEC standards. (19) Crystal units from EMT crystals.

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Potrebn sredstva	Primed ba
2 500 000 dev. din	(13)
3 000 000 din	
Vidi tabl. 3	
4 000 000 dev. din	(13)
4 500 000 din	
1 500 000 dev. din	
4 000 000 din	
1 000 000 dev. din	
3 000 000 din	

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Piezoelectric crystals

The domestic production of crystal unit housings, holders and caps, all of which are still being imported, would be extremely desirable in view of the high import prices of these articles, delayed deliveries and considerable demand by domestic consumers. By 1958, the "Mihailo Pupin" Institute had also mastered the production of quartz crystals for ultrasonic transducers, in X-cut, of varying diameters, for a frequency range from 10 kcs to 15 Mcs. The amount produced so far is, however, only a few dozens. This is due, on the one hand, to the fact that the domestic electronics industry does not yet produce ultrasonic equipment and devices requiring ultrasonic transducers, and, on the other hand, because domestic consumers are not acquainted with the country's production possibilities. Although current technical personnel in the Yugoslav piezoelectric crystal industry is satisfactory, more will have to be trained soon to cope with increased production targets. Training will be carried out in existing plants which has proved an efficient practice in the past. There are 3 figures, 6 tables and 6 references: 3 Soviet-bloc and 3 non-Soviet-bloc. The three references to the English-language

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Piezoelectric crystals

publications read as follows: R. Stoiber, C. Tolman, R. Butler:
"Geology of quartz Crystal deposits", Amer. Mineralogist 30, 245-268,
1945; C. Frondel: "History of the quartz oscilator-plate industrie
1941-1944", Amer. Mineralogist 30, 205-213, 1945; "Electronics"
June 1953, p. 8-10.

ASSOCIATION: "Mihailo Pupin" Institute, Belgrade

SUBMITTED: September 15, 1959

Card 12/12

PRPIC, B.; CEROVAC, H.; DESPOTOVIC, Lj.

Determination of the average ionizing radiation exposure of
the personnel. Arh. hig. rada. 14:245-249 '63.

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Breakdown of Chloromethylbenzyl Sulfide in a Strongly Acid Anhydrous Medium; Sulfur Analogy of the Sommelet Reaction. p. 85, (COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK CEEKHOELOVATSKIKH KHIMICHESKIKH RABOT, Vol. 19, No. 1, Feb. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

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Construction of the exponential curve by methods for a graphic solution
of differential equations of the first order. p. 588

ELEKTROTECHNICKY OBZOR

no. 11, Nov. 1955

Vol. 44

Czechoslovakia

Source: EAST EUROPEAN LISTS

Vol. 5, no. 7

July 1956

CEROVSKY, F.

SA

sect. 8

Regulation

631.316.727 : 621.791

2022. Improvement of the power factor by using
condensers, particularly in the case of welding trans-
formers. F. CEROVSKY. Elektrotech. Obr., 68,
249-26 (Apr. 11-24, 1967) 197 Czech.
In the theoretical part of the paper an equation

defining the relation between the required condenser
performance and the p.f. without and with compensa-
tion is derived. To facilitate numerical calculation
this relation is also represented as a nomogram. In
the latter part, numerical calculation of the ratings of
a condenser group for a welding transformer of 160 to
500 A is carried out, and the behaviour of the trans-
former with capacitive compensation is examined at
various loads. The paper deals mainly with com-
pensation of welding transformers. However, the
derived relations are generally applicable. 1. cond

CEROVSKY, F.

S. A.

sect. B

621.313.1.047.73

1424. The heating of an electrical machine under a periodically varying load. F. CEROVSKY. *Elektrotech. Obr.*, 48, 228-7 (No. 12-13, 1954) in Czech.

Formulas and a nomogram are derived for calculating the heating of an electrical machine under a load alternating between two values. The problem is treated in a general manner, the losses as well as the conditions of cooling during the two periods being assumed different.

N. NOBIL

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"Design for construction of metal plates in electric condensers from the point of view of consumption of materials." Supplement
Elektrotechnicky Obzor, Praha, Vol 42, No 11, Nov 1953, p. T99

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

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"The mechanized production line for the continuous manufacture of sour casein."

p. 285 (Prumysl Potravin, Vol. 9, No. 6, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 9, September 1958.

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Demolition of buildings contaminated by radiation. Jaderna energie 6 no.6:184-187 Je '60.

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Cerovsky, J. Wildlife reservations in Eastern Germany. p. 151. OCHRA'NA
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SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

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Wildlife reservation in Eastern Germany; the ornithological
station and protected area in the vicinity of Serrahn. p. 245.
OCHRANA PRIRODY. (Ministerstvo kultury, Statni pece o
ochranu prirody) Praha.
Vol. 10, no. 8, Nov. 1955.

SOURCES: EEAL LC VOL. 5 No. 10 Oct. 1956

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Natural reservations of the German Democratic Republic. V. Area of Halle.

p.271. Vol. 10, no. 9, Nov. 1955. Ochrana Prirody

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

CEROVSKY, JAN

Category: Czechoslovakia/General Division. The Conservation of Nature. A-5

Abs Jour: Referat Zh.-Biol., No 9, 10 May, 1957, 34977

Author : Cerovsky, Jan

Inst : not given

Title : The Reservations of the German Democratic Republic. IV. Stubnitz
on Ruyan

Orig Pub: Ochrana prirody, 1956, 11, No 3, 82-84

Abstract: The island Ruyan (Rugen in the Baltic Sea) consists of separated shields connected by wide and narrow spits (the general area is 968 sq. km. and the shore line is 573 km). The island's shields consist of cretaceous deposits. In the northwestern part of the island in Stubnitz district, there is baring of the cretaceous rock. Ruyan chalk consists of Foraminifers (several hundred meters thick). On the cretaceous stone, bands of flint are visible having the fossilized imprint of sea-urchins, belemnites, ammonites, etc.

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-9-

COUNTRY : CZECHOSLOVAKIA
 CATEGORY : Chemical Technology. Chemical Products and
 Their Applications. Food Industry
 ABS. JOUR. : RZKham., No. 23 1959, No. 83924
 AUTHOR : Cerovsky, J.; Henik, J.; Hoidar, J.; Knez, V.
 INST. :
 TITLE : Mechanized Flow Line for the Production of
 Acid Casein
 ORIG. PUB. : Prumysl potraviny, 1958, 9, No 6, 285-288
 ABSTRACT : For complete mechanization of a continuous
 flow in the manufacture of casein it is pro-
 posed to include a counterflow, direct action
 washer and a transporter press. The washer
 comprises a slanted, stationary cylinder,
 equipped with an internal, perforated, rota-
 ting drum, having a mixer. Paddles of the
 mixer are arranged in a screw type fashion
 along the whole length of the shaft. They are
 so oriented as to direct the flow of grains
 upward, countercurrently to the flow of water.

CARD:

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H - 119

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An international meeting of young workers in the field of wildlife protection.
p. 143.

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Uncl.

CEROVSKY, Jaroslav, inz.; BASAR, Jaroslav; KNEZ, Vaclav, inz.

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Prum potravin 14, no.2:64-66 F '63.

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Praha (for Cerovsky and Basar).
2. Vyzkumny ustav
mlekarensky, Praha (for Knez).

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Automation in handling liquids. Prum potravin 15 no. 7:
346-348 JI '64.

1. Central Research Institute of Food Industry, Prague.

CEROVSKY, Z.

The origin of the triple-frequency voltage in the neutral wire of an alternator with salient poles, working in parallel with the grid through a YZ transformer. p.146. (Elektrotechnik, Vol. 12, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

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CHERZHOVSKIY, Zdenek, kand.tekhn.nauk

Concerning the two-way windings of d.c. machines. Izv.vys.ucheb.
sav.; elektromekh. 5 no.3:349-353 '62. (MIRA 15:4)

1. Irazhskiy zavod "Elektrotehnika 1", Chekhoslovakiya.
(Electric machinery—Direct current)

CHERZHOVSKIY, Zdenek [Cеровsky, Zdenek], kand.tekhn.nauk

Effect of the upper harmonics of a magnetic field on the plate potential in a two-way winding with balancing connectors on one side of the armature. *Izv.vys.ucheb.zav.; elektornekh.* 5 no.9: 1057-1066 '62. (MIRA 16:1)

1. Prashakiy zavod "Elektrotekhnika I", Chekhoslavakiya.
(Electric machinery—Direct current)

CEROVSKY, Zdenek, inz., kandidat technickych ved; MRAZ, Vladimir, inz.;
VIZEK, Eduard, inz.

A new series of control dynamos and motors for hoisting machines
made by the national enterprise "Ceasemoravska-Kolben-Danek
Praha". El tech obsor 51 no.10:519-526 0 '62.

1. Ceasemoravska-Kolben-Danek Praha, n.p.

CEROVSKY, Zdenek, inz., kandidat technickych ved

Effect of the magnetic field higher harmonics on the lamella voltage of doubly paralalled windings with equalizing connections on one side of the armature. El tech obsor 52 no.6:297-302 Je '63.

1. Ceskomoravska-Kolben-Danek Praha.

1-21591-00
ACC NR: HP6011075

SOURCE CODE: CZ/0017/65/054/010/0461/0466

AUTHOR: Cerovsky, Zdenek (Engineer; Candidate of sciences); Vencovsky, Jiri (Engineer; Candidate of sciences)

ORG: CKD, Prague

TITLE: Calculating the reactance voltage and compensating field of the interpole of DC machines, by means of a digital computer

SOURCE: Elektrotechnicky obzor, v. 54, no. 10, 1965, 461-466

TOPIC TAGS: computer calculation, commutator, direct current, electric device, computer

ABSTRACT:

The described calculation of the commutation process is but a part of the complete electromagnetic calculation of DC machines, performed on digital computers. The computer divides the commutation period into commutating intervals during which the number of commutating conductors does not change. The computer determines the reactance voltage of each coil, assuming an average straight-line commutation, and the position of each coil side regards the commutating pole. The above calculations are performed for all coils during all commutating intervals of one commutating period. The computer then calculates the shape of the curve of the compensating voltage that is to be generated by the commutating pole, taking into consideration the different pitches of the conductors in the split

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UDC: 621.313.2.001: 681.142-83

ACC NR: AP6011075

winding. The computer determines the shape of the compensating voltage according to the relation

$$e_p = \sum_{k=0}^{k=m} a_k \xi_k$$

in such a manner that the rms value of the difference between the reactance and compensating voltages will be the minimum. This paper was presented by Engineer D. Horecky. Orig. art. has: 8 figures. [JPRS]

SUB CODE: 09 / SUBM DATE: 13Aug64 / ORIG REF: 003 / OTH REF: 006

Card 2/2

Country : GDR Q
CATEGORY : Farm Animals. General Problems
ABS. JOUR. : RZBiol., No. 13, 1958, No. 59472
AUTHOR : Cersovsky, H.
INST. : -
TITLE : How to Avoid Losses of Nutritive Substances
during Springtime Pasturing
ORIG. PUB. : Mitschurinbewegung, 1957, 6, No 9, 391-394
ABSTRACT : In order to better utilize the proteins of
young pasture grass, the author recommends
rotational grazing with the aid of an "elec-
tric" herdsman, and the supplementing of
cows' rations by stall-feeding with addition-
al carbohydrate feeds (sour beet pulp, corn
or sunflower silage, 10 to 15 kg. per head,
or dry beet pulp, up to 4 kg. per head).--
S. Ya. Kalmanson

CARD: 1/1

CERTIC, D.

CERTIC, D.

Prototype of prestressed concrete poles for 110-kw. lines. p. 1717.
(TEHNIKA, Vol. 9, no. 11, 1954. Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, (EEAL), LC, No. 4, No. 4,
Apr 1955, Uncl.

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UHLI. (Ministerstvo paliv). Praha, Czechoslovakia, Vol. 1, No. 4,
Apr. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

EXCERPTA MEDICA Sec. 17 Vol. 3/8 Public Health Aug. 57

2429. ČERVA L. Krajská Hyg.-Epidemiol. Stan., Praha. "Resistance cyst *Lambli*a intestinalis vůči zevním faktorům. Resistance of cysts of *Lambli*a intestinalis against disinfectants ČSL PARASIT. 1955. 2 (17-21)

The efficacy of 10 disinfectants on the cysts of *Lambli*a intestinalis was examined. Only phenol and lysol (liquor cresoli saponatus) in a strength of 2-5% proved to be acceptable for reliable and rapid disinfection. The cysts were highly sensitive to drying, but in water they stayed alive for more than 3 months. A temperature of 50° C. killed them immediately. The cysts withstood refrigeration at -20° C. for 10 hr. The epidemiological problems of lamblasis among the collectively brought-up children are discussed: direct transfer of cysts caused by insufficient control of the cleanliness of the boarders seems to be the main epidemiological factor.

CERVA, L.; VETROVSKA, G.

Considerations on pathogenicity of the flagellate *Chilomastix mesnili*.
Cesk. epidem. mikrob. imm. 7 no.2:126-135 Mar 58.

1. Parasitologicka laborator Krajske hygienicko-epidemiologicke stanice
v Praze. L. C., Praha XII, Safarikova 14.
(CHIDONASTIGIAE, in infant and child,
mesnili (Cs))

DANIEL, M.; CERVÁ, L.

Laboratory experiences with certain acaricides against *Trombicula autumnalis* larvae. *Cesk.epidem.mikrob.imun.* 9 no.8:552-556 N°60.

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(MITES pharmacol)

(INSECTICIDES pharmacol)

CERVA, L.; VETROVSKA, G.; STOKLASOVA, V..

Experiences with the treatment of lamblasis in children with
acranil in child homes. Cesk.pediat. 15 no.1:37-39 Ja '60.

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stanice v Praze.

(ACRIDINES ther.)

(GIARDIASIS ther.)

CERVA, Labor; CERVOVA, Helena

The occurrence of *Trichomonas intestinalis* in women and the relation of this infection to vaginal trichomoniasis. *Cesk. epidem.mikrob.imun.* 10 no.2:128-133 Mr '61.

1. Krajska hygienicko-epidemiologicka stanice Stredoceskeho kraje; Ustredni hygienicko-epidemiologicka stanice MWP v Praze.
(TRICHOMONAS INFECTIONS statist)
(VAGINA dis)

CERVA, Lubor, RNDr.; PETER, Rudolf, prof., Dr. Sc.; SEBEK, Václav, Doc.

Discharges in the menopause. Cesk. gyn. 26[40] no.4:281-284 '61.

(LEUKORRHEA) (MENOPAUSE compl)

CERVA, L.

Apropos of nonspecific fluorescence of eosinophilic leukocytes.
Cesk. epidem. 14 no.1:69-71 Ja '65

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CERVA, L.

The cultivation of *Leptospira* in Korthof's medium solidified with agar. Cesk. epidem. 14 no.2:117-119 Mr '65

1. Vojenski ustav hygieny, epidemiologie a mikrobiologie, Praha.

CERVA, L.; REHN, F.

Utilization of immunofluorescence in the determination of rickettsial antigen concentration. *Cesk. epidem.* 14 no.3: 153-156 My '65.

1. Vojensky ustav hygieny , epidemiologie a mikrobiologie, Praha.

CERVA, L.; JEMEN, P.

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